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| TRANSMITTAL FORM | | Application Number | 09/461,803 |
| <i>(to be used for all correspondence after initial filing)</i> | | Filing Date | 08/31/1998 |
| | | First Named Inventor | Avto Tavkheldize |
| | | Art Unit | 2834 |
| | | Examiner Name | Tamai, Karl I |
| Total Number of Pages in This Submission | | 13 | Attorney Docket Number |

| ENCLOSURES (Check all that apply) | | |
|---|---|--|
| <input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input checked="" type="checkbox"/> After Final <input type="checkbox"/> Affidavit/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD Number of CD(s) _____ <input type="checkbox"/> Remarks _____ | <input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below): |

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| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT | |
|--|-------------------------|
| Firm or Individual | Avto Tavkheldize |
| Signature | <i>Avto Tavkheldize</i> |
| Date | February 11, 2003 |

| CERTIFICATE OF TRANSMISSION/MAILING (703) 305-3432 | | |
|--|--------------------|------------|
| I hereby certify that this correspondence is being transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on the date: <u>02/11/2003</u> | | |
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| Signature | <i>Robert Flye</i> | Date |
| | | 02/11/2003 |

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:)
Avto TAVKHELIDZE,)
Jonathan Sidney EDELSON) Examiner TAMAI, KARL IE
Filed: August 31, 1998) Group Art Unit 2834
Serial No.: 09/481,803)
Title: DIODE DEVICE)

Commissioner of Patents
U.S. Patent and Trademark Office
Washington, D.C. 20231

Faxed: February 11, 2003

Sir:

AMENDMENT

In response to the Office Action, mailed 11 December 2002, Applicant requests that the above-captioned patent application be amended as follows:

IN THE CLAIMS

Please amend claims 1 and 23 to read as follows:

- 1) Apparatus for the conversion of energy comprising:

- a) a source of energy;
- b) an emitter electrode connected to said source of energy;
- c) a collector electrode,
- d) an electrical circuit connecting said electrodes; and
- e) manipulating means for controlling the distance separating said electrodes, connected to either or both of said electrodes;

wherein said emitter electrode and said collector electrode each comprise a surface for positioning facing the other, wherein said surfaces are substantially flat and wherein topographical features of said emitter electrode surface match topographical features of said collector electrode surface.

Proprietary and Confidential, Property of Borealis Technical Limited
Title: DIODE DEVICE, Filed August 31, 1998
Response to Final Office Action after RCE, Faxed: February 11, 2003
Avto Tavkhelidze and Jonathan Edelson

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